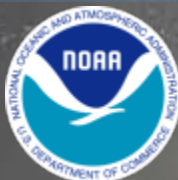


FY 2012 NOAA BUDGET SUMMARY

Dr. Jane Lubchenco

Under Secretary of Commerce for Oceans & Atmosphere &
NOAA Administrator



NOAA'S VALUE TO THE AMERICAN PUBLIC & ECONOMY



Vortex2, Tribune, KS



Community Habitat Restoration Project – Dam Removal, Sandy River, OR



Trawl Survey Operations

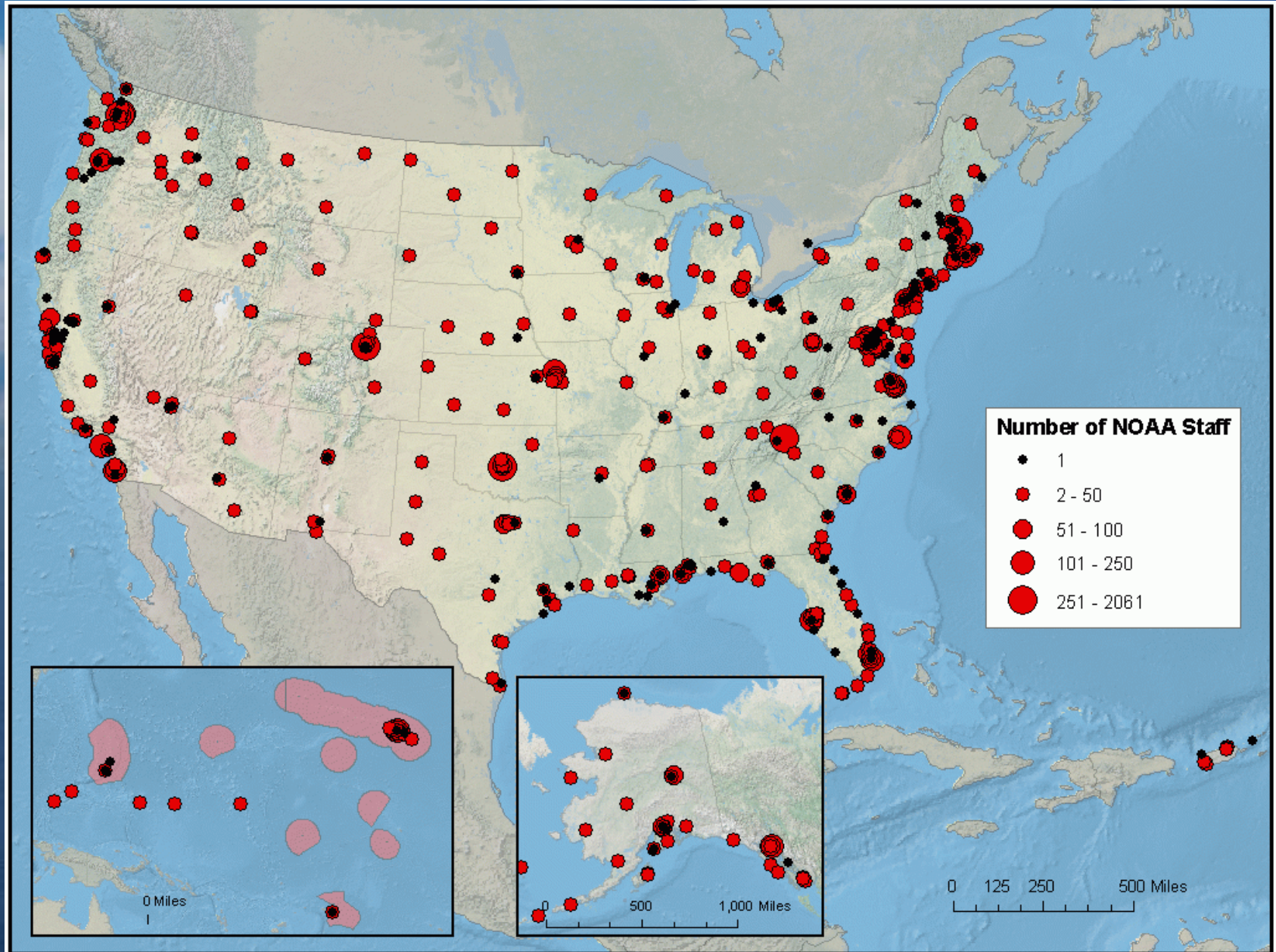


Education of the Next Generation of Scientists - JASON Argonauts Tour USS Gordon Gunter



Satellite-aided Rescue

Serving All Americans



NOAA's MISSION: SCIENCE, SERVICE, & STEWARDSHIP

*To understand and predict changes in climate, weather, oceans, and coasts,
To share that knowledge and information with others, and
To conserve and manage coastal and marine ecosystems and resources*

SCIENCE & TECHNOLOGY ENTERPRISE

a holistic understanding of the earth system through research

accurate, reliable data from integrated earth observations

an integrated environmental modeling system

improved scientific understanding
assessments identify impacts, inform decisions
mitigation, adaptation choices supported
a climate literate public

CLIMATE ADAPTATION & MITIGATION

RESILIENT COASTAL COMMUNITIES & ECONOMIES

resilient coastal communities
ocean and coastal planning, management
safe, sound, efficient marine transportation
improved coastal water quality
safe, sound arctic access, management

reduced loss of life, property, disruption
improved freshwater management
transportation efficiency, safety
healthy people, communities
productive, efficient economy

WEATHER READY NATION

HEALTHY OCEANS

improved understanding of ecosystems
recovered, healthy species
healthy habitats sustain resources, communities
sustainable fisheries, safe seafood

NOAA'S VISION OF THE FUTURE:

RESILIENT ECOSYSTEMS, COMMUNITIES & ECONOMIES

Healthy ecosystems, communities, and economies that are resilient in the face of change

ENGAGEMENT ENTERPRISE

an engaged, educated public for informed environmental decisions

integrated services for evolving demands of regional stakeholders

international partnerships and policy leadership

modern information technology

diverse, evolving workforce

modern, safe, sustainable facilities

a high performing organization

ORGANIZATION & ADMINISTRATION ENTERPRISE

FY 2010 PROGRESS & ACCOMPLISHMENTS



Worked with Fishing Communities in Kodiak, AK



Launched GOES-15



Provided Advanced Warning of Snowmageddon

NOAA CLIMATE SERVICES
DEVELOPMENT PROTOTYPE

Articles
Living with an Uncertain Monsoon
Featured Article, Thu, Oct 29th, 2009
by Colleen Carroll
In May and June each year, speculation about the coming of the monsoon hits newspapers and communities across India. Everyone is concerned about if, when, and how much rain will arrive. But here have more at stake than India's over 700 million farming households.
Read Full Article »

Videos
Meet NOAA's climate scientists and get their perspectives on climate.
- Browse ClimateWatch videos

Images
Browse images, photos and visualizations of Earth's climate system.
- Browse ClimateWatch images

Global Climate Dashboard
Climate Change | Climate Variability
Past Weather
News
Tom Karl, Director of NOAA's National Climate Data Center
Research Director for Global Climate Science

Established NOAA Climate Portal

An aerial photograph of a coastline. The top half shows a dense green forest. Below the forest is a sandy beach and a large, calm body of water. The water is a deep blue, with some white foam from waves visible near the shore. The bottom half of the image is a dark blue gradient.

FY 2012 BUDGET

FY 2012 Budget Overview

**FY 2012 Request is for \$5.5B
an increase of \$749M over the FY 2010 Enacted**

- ☑ Proposes reorganization to advance climate services and to strengthen science
- ☑ Improves prediction of high impact weather and water forecasts
- ☑ Supports sustainable oceans, fisheries, and communities
- ☑ Provides critical investments in satellites and sensors to further NOAA's observational mission
- ☑ Maintains and expands the technical infrastructure that supports NOAA's mission

BUDGET BREAKDOWN BY LINE OFFICE

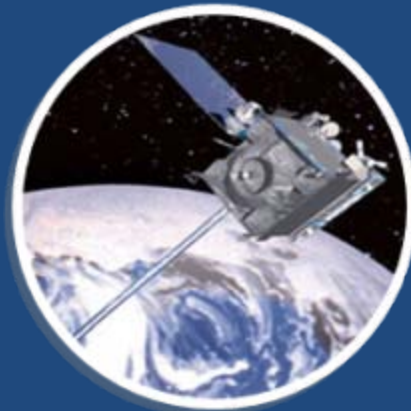
(\$ in millions)	FY 2011		FY 2012
	FY 2010 Enacted	President's Request	President's Request
Oceans & Coasts	\$578.7	\$550.6	\$559.6
Fisheries	\$1,008.2	\$992.4	\$1,001.1
Research*	\$449.1	\$464.9	\$212.0
Climate*	\$0	\$0	\$346.2
Weather	\$999.8	\$1,003.2	\$988.0
Satellites	\$1,398.5	\$2,209.0	\$2,015.4
Program Support/Fleet	\$485.9	\$515.1	\$524.8
Total (Net of Financing & Transfers)	\$4,748.4	\$5,554.5	\$5,497.7

*Research and Climate budgets combined in FY10 and FY11

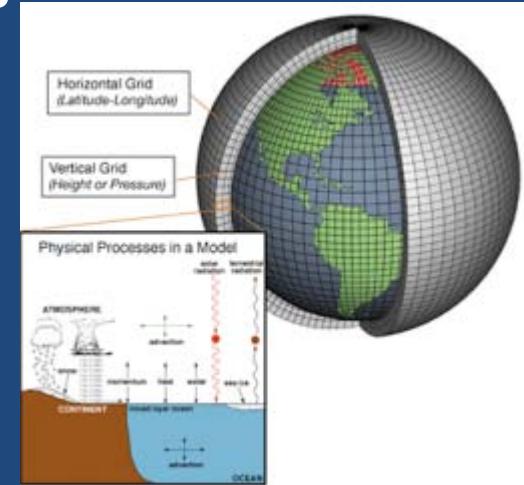
NOAA CLIMATE SCIENCE AND SERVICES

Core Capabilities

Observing Systems, Data Stewardship, and Climate Monitoring



Understanding and Modeling



Predictions and Projections

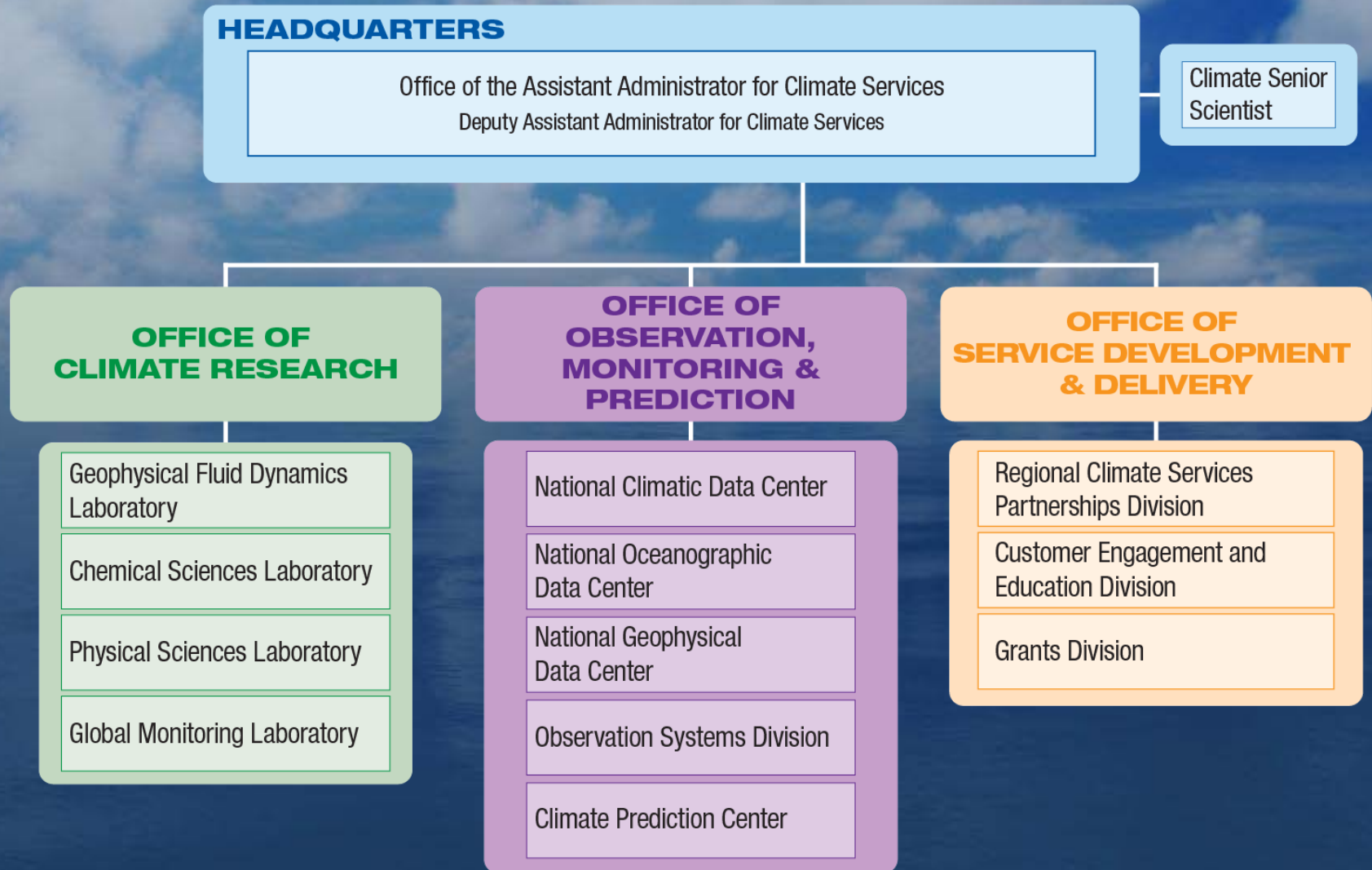


Integrated Service Development and Decision Support



CLIMATE SERVICE IN NOAA

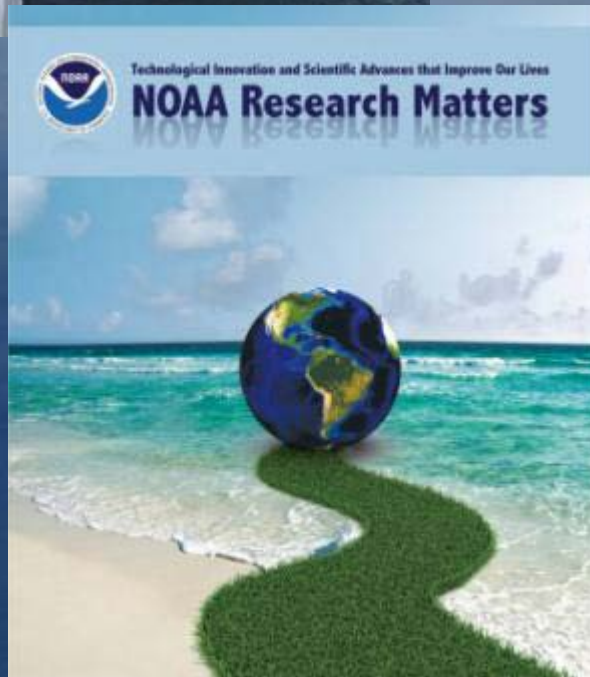
NOAA's FY 2012 Budget Request includes the proposed reorganization of existing NOAA climate programs and activities under one Climate Service Line Office



STRENGTHENING SCIENCE



- NOAA's request includes \$737M across NOAA for research and development, which is 13.4% of NOAA's overall \$5.5B budget

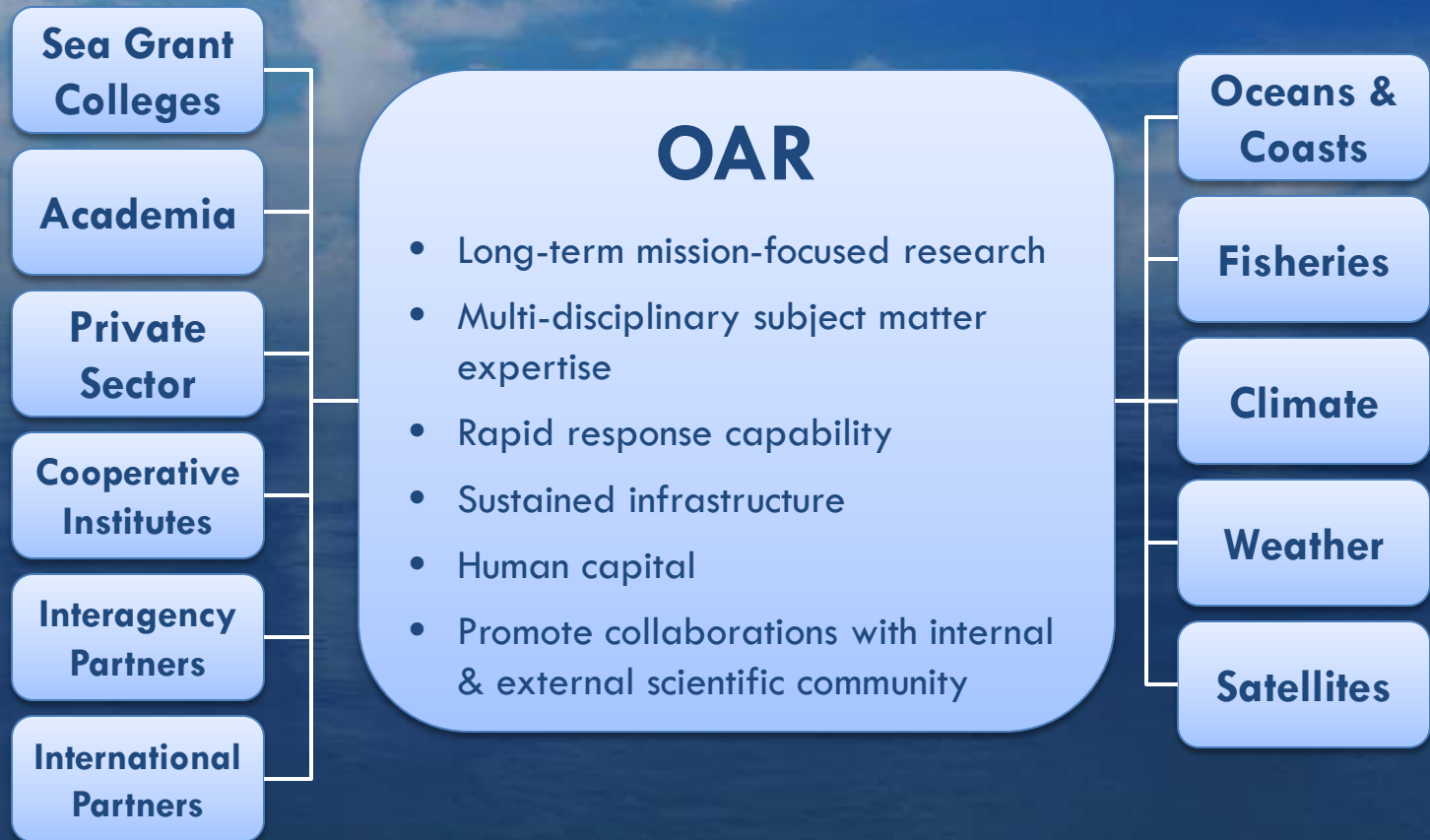


- NOAA's Office of Oceanic and Atmospheric Research (OAR) will continue to deliver preeminent scientific advances that result in new knowledge, technology, and improved services for the Nation

OAR'S UNIQUE CONTRIBUTION

“All parts of NOAA benefit from OAR’s work to incubate fundamentally new approaches to mission-centered science, a capability best sustained by maintaining a nimble, freestanding OAR line office.”

National Academy of Public Administration (Sept 2010)



An aerial photograph of a coastline. The top half of the image shows a dense green forest. Below the forest is a sandy beach and a large, calm body of water. The water is a deep blue color, with some white foam from waves visible near the shore. The bottom half of the image is a dark blue gradient.

BUDGET HIGHLIGHTS

OCEANS & COASTS

Promote Resilient Coastal Communities & Economies

BUDGET INCLUDES A TOTAL INVESTMENT OF \$559.6M

Sustains core investments and capabilities in:

- ☑ Regional Ocean Partnership Grants
- ☑ Coastal and Marine Spatial Planning
- ☑ Coastal and Estuarine Land Conservation Program (CELCP)
- ☑ Coastal Ocean Science
- ☑ Competitive Research

Targeted Investment Highlights	Request	Increase
Oil Spill Research	\$2.9M	\$2.9M
Working Waterfronts	\$8.0M	\$8.0M
IOOS Surface Current Mapping	\$5.0M	\$5.0M



Oil Spill – Coast Line Survey



Gliders - Surface Current Mapping

FISHERIES

Transform Fisheries, Recover Resources & Habitats

BUDGET INCLUDES A TOTAL INVESTMENT OF \$1,001.1M

Sustains core investments and capabilities in:

- ☑ National Catch Share Program
- ☑ Species Recovery Grants
- ☑ Community Based Restoration Program
- ☑ Chesapeake Bay Fisheries & Habitat Monitoring & Restoration

Targeted Investment Highlights	Request	Increase
Fisheries Stock Assessments	\$67.1M	\$15.0M
Recreational Fisheries Data Collection	\$24.4M	\$3.0M
Protected Species Science	\$48.7M	\$2.5M



Catch Shares



Stock Assessment



Recreational Fishing



Sea Turtle Tracking



Protected Species Science
Monk Seal Inoculation

RESEARCH

Strengthen Science

BUDGET INCLUDES A TOTAL INVESTMENT OF \$212.0M

Sustains core investments and capabilities in:

- ☑ Multifunction Phased Array Radar (MPAR)
- ☑ Ocean Acidification
- ☑ Sea Grant

Targeted Investment Highlights	Request	Increase
Wind Renewable Energy Research	\$2.0M	\$2.0M
Ocean Exploration & Research	\$29.5M	\$1.5M



BUDGET INCLUDES A TOTAL INVESTMENT OF \$346.2M

Sustains core investments and capabilities in:

- ☑ Arctic Watch
- ☑ Water Resources Research to Operations
- ☑ Carbon Observing and Analysis System
- ☑ Earth System Modeling
- ☑ Global Ocean Observing System

Targeted Investment Highlights

Request

Increase

Regional Climate Services

\$4.4M

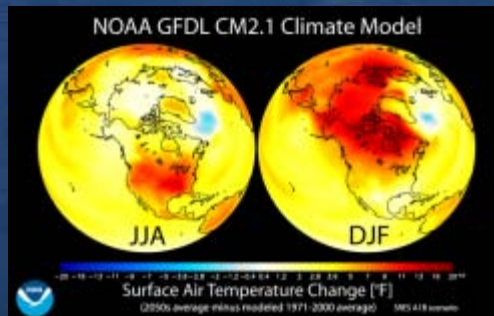
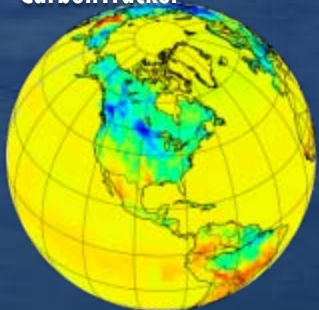
\$3.0M

Monitoring Atmospheric Carbon Sources

\$5.5M

\$4.7M

CarbonTracker



Arctic Watch



- National Weather Service Regional Climate Services
- National Marine Sanctuaries
- Coastal Services Centers
- Regional Teams
- Regional Integrated Sciences and Assessments
- Regional Climate Centers
- Sea Grant
- State Climatologists
- National Education Research Reserves

Regional Climate Services Partners



WEATHER

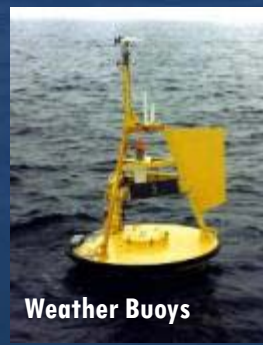
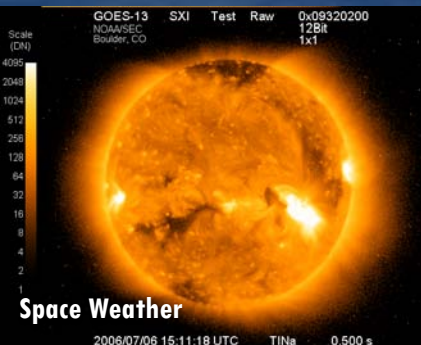
Prepare A Weather Ready Nation

BUDGET INCLUDES A TOTAL INVESTMENT OF \$988.0M

Sustains core investments and capabilities in:

- ☑ Space Weather Program
- ☑ Enhancing Observations
- ☑ NEXRAD Dual Polarization Radar

Targeted Investment Highlights	Request	Increase
Aviation Weather	\$38.6M	\$26.9M
Buoy Operations & Maintenance	\$28.7M	\$4.0M
Weather & Climate Supercomputing	\$40.2M	\$11.0M



SATELLITES

Provide Critical Operational Observations

BUDGET INCLUDES A TOTAL INVESTMENT OF \$2,015.4M

Sustains core investments and capabilities in:

- ☑ Weather & Ocean Satellites
- ☑ Search & Rescue
- ☑ Severe Storms
- ☑ Climate Sensors

Targeted Investment Highlights	Request	Increase
Space Weather	\$47.3M	\$47.3M
Atmospheric Profiles	\$11.3M	\$11.3M
Sea Surface Height	\$53.0M	\$33.0M



GOES Program



DSCOVR



COSMIC-2



JASON-3

SATELLITES

Ensuring Continuity of Weather, Ocean, & Climate Observations

BUDGET INCLUDES AN INCREASE OF \$687.8M,
FOR A TOTAL REQUEST OF \$1,070.0M FOR THE JOINT POLAR SATELLITE
SYSTEM (JPSS)

JPSS advancements will result in improved data to better inform actions and decisions related to:

- 📍 Critical National Security
- 📍 Agriculture
- 📍 Search & Rescue
- 📍 Aviation Safety/Volcanic Ash Monitoring
- 📍 Coastal residents and Fisheries



NOAA's Next Polar-Orbiting Satellite

PROGRAM SUPPORT

Maintain Core Infrastructure

BUDGET INCLUDES A TOTAL INVESTMENT OF \$524.8M

Sustains core investments and capabilities in:

- Fisheries Vessel Construction

Targeted Investment Highlights

Request

Increase

IT Improvements & Security

\$18.4M

\$9.1M

Facility Restoration & Modernization

\$14.5M

\$10.0M

Fleet Repairs

\$12.6M

\$11.6M



ADMINISTRATIVE EFFICIENCY INITIATIVE

BUDGET INCLUDES \$67.7M IN ADMINISTRATIVE COST
REDUCTIONS

"The Federal Government spends extensive amounts on services or products that may be characterized as administrative or overhead. . . . While most of these expenses are essential for supporting agencies' missions, the Administration required each agency to review its budget to find and cut unnecessary spending as well as ensure the agency is buying what it does need as efficiently as possible." - Budget of the United States Government, Fiscal Year 2012

FY 2012 SAVINGS PER LINE OFFICE

Oceans & Coasts	\$9.3M
Fisheries	\$16.3M
Research	\$3.2M
Climate	\$4.6M
Weather	\$13.2M
Satellites	\$11.9M
Program Support	\$9.1M
TOTAL	\$67.7M

FY 2012 BUDGET SUMMARY



FEBRUARY 14, 2011



NOAA
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION

NOAA Budget Information

NOAA Budget Hotline: 202-482-4822

Blue Book and Briefing: <http://www.noaa.gov>

Budget Questions: AskNOAABudget@noaa.gov

NOAA Annual Guidance Memorandum:

<http://www.ppi.noaa.gov/>